

SEQ ID NO 83 MILDTDYITKDGKPIIRIFKKENGEFK---IELDPHFQPYIYALLKDDSAIEEIAIKGERHGKTVR-VLDAVKVRKKFLGREV 80  
SEQ ID NO 84 MILDTDYITKDGKPIIRIFKKENGEFK---IELDPHFQPYIYALLKDDSAIDEIKAIKGERHGKIVR-VVDAVKVKKFLGRDV 80  
SEQ ID NO 85 MIIDADYITEDGKPIIRIFKKENGEFK---VEYDRTFRPYIYALLKDDSAIDEITA---ERHGKIVR-ITEVEKVQKKFLGRPI 80  
SEQ ID NO 86 MILDADYITEDGKPIIRIFKKENGEFK---VEYDRNFRPYIYALLRDDSIADEIKKITAQRHGKVVR-IVETEKIQRKFLGRPI 80  
SEQ ID NO 87 MIIDADYITEDGKPIIRIFKKENGEFK---VEYDRTFRPYIYALLKDDSAIDEVKKITAERHGKIVR-ITEVEKVQKKFLGRPI 80  
SEQ ID NO 88 MILDADYITEDGKPIIRIFKKENGEFK---VEYDRNFRPYIYALLKDDSQIDEVRKITAERHGKIVR-IIADEKVRKKFLGRPI 80  
SEQ ID NO 89 MILDVDYITEEGKPVIRLFKKENGFK---VEHDRTFRPYIYALLRDDSIEEVKKITGERHGKIVR-IVDVEKVEKKFLGKPI 80  
SEQ ID NO 90 MILDVDYITENGKPVIRVFKKENGEFR---IEYDREFEPFYALLRDDSIAEEIKKITAERHGRVVK-VKRAEKVKKKFLGRSV 80  
SEQ ID NO 91 MILDTDYITENGKPVIRVFKKENGEFK---IEYDRTFEPTFYALLKDDSAIEDVKKVTAKRHGTVVK-VKRAEKVQKKFLGRPI 80  
SEQ ID NO 92 MILDTDYITEDGKPVIRIFKKENGEFK---IEYDRTFEPEPYIYALLKDDSAIEEVKKITAERHGTVT-VKRVEKVQKKFLGRPV 80  
SEQ ID NO 93 MILDTDYITEDGKPVIRIFKKENGEFK---IDYDRNFEPEPYIYALLKDDSAIEDVKKITAERHGTTVR-VVRAEKVKKKFLGRPI 80  
SEQ ID NO 94 MILDTDYITEDGRP VIRVFKKENGEFK---IEYDRDFEPEPYIYALLKDDSAIEDVKKITASRHGTTVR-VVAGKVKKKFLGRPI 80  
SEQ ID NO 95 VLLDDIDYVTDEVPIRLFGDKSGGNEPIIAHRSFRPYIYAIPTDLDECLRELEELKELEV-----KEMRDLGRPT 81  
SEQ ID NO 96 ALIDNTYKTIEDKAVIYLYLINS-----ILKDRDFKPYFVVELHKEKEVENE DIEIKEFLLKNDLKVENIEVVKKIILRK 88  
SEQ ID NO 97 VLLDSSYEILGKEPVVILWGITLDGKR--VVLDHHRFPYFYALIARGYEDMVEEIAASIRLSVVKSPIDIAPKLKDKEYFGRP 89  
SEQ ID NO 98 SRVVVFYG-----EFRPYFYVLPDGSVGLDQLAAMIRRLSRPSSP-ILSVERVRRFIGREV 74  
SEQ ID NO 99 WLIDADYETIGGKAVVRLWCKDDQGIF---VAYDYNFDPEPYFVIGVDEDILKNAATSTRREVIKLKS---FEKAQLKTLGREV 83  
SEQ ID NO 100 MILDADYITEDGKPVIRVFKKENGEFK---IDYDRDFEPEPYIYALLKDDSAIEDIKKITAERHGTVR-VTRAERVKKKFLGRPV 80  
SEQ ID NO 101 MILDTDYITENGKPVIRVFKKENGEFK---IEYDRTFEPEPYIYALLKDDSAIEDVKKVTAKRHGTVVK---RAEKVQKKFLGRPI 80  
SEQ ID NO 102 WLIDADYETIGGKAVVRLWCKDDQGIF---VAYDYNFDPEPYFVIGVDEDILKNAATSTRREVIKLKS---FEKAQLKTLGREV 83  
SEQ ID NO 103 MLDLYNSKDLCIDMYYKNCGLKKPEIN-LQKECEFKPYFVDTSEPKIEIYDYLGLNQEIDLKKLEPEFENNTSLKVQDLIT 81  
SEQ ID NO 104 WPLDITYAVVGVSPEIRIFGILSSGERV--VLIDRSFKPYFYVDCAVCEPAALKTALSRAPIDDQVIVERRFLGRSK 81  
SEQ ID NO 105 LLVSA TYDSQAGAVVLKFYEPESQKIVH--WTDTNGHKPYCYTRQPSELGELEG-REDVLG-TEQVMRHDLIADKD 87  
SEQ ID NO 106 FLLQV DGDGKKSRAVCKLYDKEGKKIYI---QDES GHKPYFLTDIDPDKVNKITKVRDP SFHDLEI---NKVDPYTGKKI 127  
SEQ ID NO 107 FLLQV DGDGKKSRAVCKLYDKEGKKIYI-L-YDNTGHKPYFLTDIDPEKVNKIPKVV RDPSFDHLETV---IKIDPYSGNKI 128  
SEQ ID NO 108 FLLQV DGDGKKSRAVCKLYDKEGKKIYI-L-YDNTGHKPYFLVDLEPDKVKGKIPKIVRDP SFHDHETV---SKIDPYTWNKF 128

SEQ ID NO 83	EVW-----	KLIFEHPQDVPMRGKIREHP-----AVVDIYEYDIPFAKRYLIDK	124
SEQ ID NO 84	EVW-----	KLIFEHPQDVPAIRGKIREHP-----AVIDIYEYDIPFAKRYLIDK	124
SEQ ID NO 85	EVW-----	KLYLEHPQDVPAIREKIREHP-----AVVDIFEYDIPFAKRYLIDK	124
SEQ ID NO 86	EVW-----	KLYLEHPQDVPAIRDKIREHP-----AVVDIFEYDIPFAKRYLIDK	124
SEQ ID NO 87	EVW-----	KLYLEHPQDVPAIREKIREHP-----AVVDIFEYDIPFAKRYLIDK	124
SEQ ID NO 88	EVW-----	RLYFEHPQDVPAIRDKIREHS-----AVIDIYEYDIPFAKRYLIDK	124
SEQ ID NO 89	TVW-----	KLYLEHPQDVPTIREKVREHP-----AVVDIFEYDIPFAKRYLIDK	124
SEQ ID NO 90	EVW-----	VLYFTHPQDVPAIRDKIRKHP-----AVIDIYEYDIPFAKRYLIDK	124
SEQ ID NO 91	EVW-----	KLYFNHPQDVPAIRDRIRAH-----AVVDIYEYDIPFAKRYLIDK	124
SEQ ID NO 92	EVW-----	KLYFTHPQDVPAIRDKIREHP-----AVIDIYEYDIPFAKRYLIDK	124
SEQ ID NO 93	EVW-----	KLYFTHPQDPAIRRDKIKEHP-----AVVDIYEYDIPFAKRYLIDK	124
SEQ ID NO 94	EVW-----	KLYFTHPQDVPAIRDKIREHP-----AVVDIYEYDIPFAKRYLIDK	124
SEQ ID NO 95	EVI-----	RIEFRHPQDVPKIRDIRDLE-----SVRDIREHDIPIFYRRYLIDK	127
SEQ ID NO 96	EKE-----	VIKIIATHPQKVPLRKIKE-----CEIVKEIYEHDIPFAKRYLIDN	135
SEQ ID NO 97	RKAV-----	KITTMIPESVRHYREAVKKIE-----GVEDSLEADIRFAMRYLIDK	136
SEQ ID NO 98	EAL-----	KVTLVPASPVREYREAVRRLG-----GVRDVLEADIPFALRYIIDF	118
SEQ ID NO 99	E-----	GYIVYAHHPQHVPLRDLYSQ-----FGDVREADIPFAYRYLIDK	126
SEQ ID NO 100	EVW-----	KLYFTHPQDVPAIRARDKIREHPA-----VVDIYEYDIPFAKRYLIDR	126
SEQ ID NO 101	EVW-----	KLYFNHPQDVPAIRDRIRAH-----AVVDIYEYDIPFAKRYLIDK	126
SEQ ID NO 102	E-----	GYIVYAHHPQHVPLRDLYSQ-----FGDVREADIPFAYRYLIDK	127
SEQ ID NO 103	NIEIIEKIVYSDYILNGKDISEVSDFKNKKERKICKVYVKPNHVKIIREYF	-----KEFGKSYESFDIPFLRRYIMIDQ	155
SEQ ID NO 104	K-----	FLKVIAKIPEDVRKLREAAMSIP-----VSGVYEDIRFYMRYIMIDMG	130
SEQ ID NO 105	P-----	VTKITVADPLAIGGTNSEKSIRNIMDTWESDIKYENYLYDKSLVVGRY	136
SEQ ID NO 106	RLT-----	KIVVKDPLAVRMRSS-----LPKAYEAHKYNNYVYDN	166
SEQ ID NO 107	KLT-----	KIVVKDPLAVRMRNS-----VPKAYEAHKYFNYYIYDL	166
SEQ ID NO 108	KLT-----	KIVVRDPLAVRRLRND-----VPKAYEAHKYFNYYMYDI	166

SEQ ID NO 83 -----GLIPMEGDEE 133  
SEQ ID NO 84 -----GLIPMEGDEE 133  
SEQ ID NO 85 -----GLTPMEGNEE 133  
SEQ ID NO 86 -----GLTPMEGNKE 133  
SEQ ID NO 87 -----GLTPMEGNEE 133  
SEQ ID NO 88 -----GLIPMEGDEE 133  
SEQ ID NO 89 -----GLIPMEGEDE 133  
SEQ ID NO 90 -----GLIPMEGEDE 133  
SEQ ID NO 91 -----GLIPMEGDEE 133  
SEQ ID NO 92 -----GLVPMEGDEE 133  
SEQ ID NO 93 -----GLIPMEGDEE 133  
SEQ ID NO 94 -----GLIPMEGDEE 133  
SEQ ID NO 95 -----SIVPME 132  
SEQ ID NO 96 -----EIIPMT 140  
SEQ ID NO 97 -----RLYPFT 141  
SEQ ID NO 98 -----NLYPMR 123  
SEQ ID NO 99 -----DLACMD 131  
SEQ ID NO 100 -----GLIPME 131  
SEQ ID NO 101 -----GLIPME 131  
SEQ ID NO 102 -----DLACMD 132  
SEQ ID NO 103 -----DIVPSA 160  
SEQ ID NO 104 -----VVPCS 135  
SEQ ID NO 105 YSVSGGKVIPHDMPISEVKLALK 160  
SEQ ID NO 106 -----GLIPGLIYKV 175  
SEQ ID NO 107 -----GLIPGLPYV 175  
SEQ ID NO 108 -----GLIPGMPYV 175